

Cartell Chemical Co., Ltd., established in 1994, is a world-class manufacturer of industrial adhesives, sealants, and specialty chemical products.

Its flagship brand MXBON® delivers high-performance, cost-effective, and reliable solutions for design, manufacturing, assembly, and maintenance across the industrial sector.

MXBON® products are widely used in a broad range of industries, including traditional manufacturing, electronics, electrical engineering, medical equipment, railway transportation, shipbuilding, sports equipment, hand tools, pneumatic tools, 3C electronic products, and the automotive industry.

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Branch/Authorized Dealer Information

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mxbon®

Adhesives Expert



THREAD LOCKERS



11222 Low strength, thixotropic

Lock and seal for M6 or smaller screws.
Removable.

11242 Medium strength, general-purpose, thixotropic

Lock and seal for M20 or smaller screws.
Good for electroplating surface.
Removable.

11243 Medium strength, oil tolerance, thixotropic

Lock and seal for M20 or smaller screws.
Suitable for lightly greased surfaces and passive substrates such as, stainless steel & electroplating surface.
Removable.

11248 Medium strength, wax consistency

Lock and seal for M20 or smaller screws.
Semi solid stick form is incredibly convenient and portable, also suitable for lightly greased surfaces and passive substrates such as, stainless steel & electroplating surface.
Removable.

11262 High strength, high lubricity, thixotropic

Lock and seal for M20 or smaller screws for permanent.
Excellent rust and corrosion resistance in harsh environments.

11263 High strength, chemical resistant, fast curing, oil tolerance

Lock and seal for M25 or smaller screws.
Suitable for lightly greased surfaces and passive substrates such as, stainless steel & electroplating surface.

11268 High strength, wax consistency

Lock and seal for M20 or smaller screws.
Semi solid stick form is incredibly convenient and portable.
Suitable for lightly greased surfaces and passive substrates such as, stainless steel & electroplating surface.
Removable.

11271 High strength, low viscosity, general-purpose

Lock and seal M25 or smaller screws for permanent assembly.

11272 High strength, thixotropic, heat resistance

Heat resistance up to 230°C.
Lock and seal M36 or smaller screws for permanent assembly.

11277 High strength, high viscosity

Excellent chemical resistance, prevents rusting and corrosion of screws.
Lock and seal M36 or smaller screws for permanent assembly.

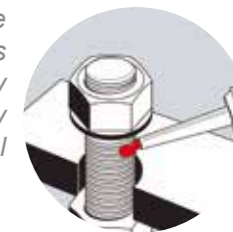
11290 Medium to high strength, penetration type

Lock and seal for M2~M12 screws after assembly, effective for sealing micro-pores on weld seams and castings.
Prevents rusting and corrosion of screws.

112701 High strength, for passivated materials

Excellent heat resistance.
Specialized adhesive for Passivated Materials.
Lock & seal for M20 or smaller screws.

MXBON[®] Threadlockers are anaerobic adhesives that cure in the absence of air and in the presence of metal ions. They effectively replace traditional mechanical locking methods such as spring washers, lock nuts, and split pins, simplifying product design and improving assembly reliability. They prevent loosening, vibration, and leakage, ensuring long-term fastening stability and reducing maintenance time. Simply apply the adhesive onto the screw and the internal thread surface. For faster results, use MXBON[®] activator.



Technical Information

Item No.	Appearance	Fluorescence	Viscosity mPa.s (cP)	Breakaway N-m (lb-in)	Prevail N-m (lb-in)	Working Temp. °C	Fixture Time	Fully Cured	NSF
11222	Purple	◆	900–1,500 Thixotropic	6 (52.8)	4 (35)	-54°C–150°C	15min	24hrs	◆
11242	Blue	◆	900–1,400 Thixotropic	8–19 (70–167)	3–7 (26–62)	-54°C–150°C	5min	24hrs	◆
11243	Blue	◆	1,300–3,000 Thixotropic	26 (229)	5 (44)	-54°C–180°C	10min	24hrs	◆
11248	Blue	◆	wax consistency	23 (204)	5 (43)	-54°C–150°C	5min	24hrs	
11262	Red	◆	1,200–2,400 Thixotropic	26 (229)	32 (282)	-54°C–150°C	10min	24hrs	◆
11263	Red	◆	400–600	34 (299)	34 (299)	-54°C–180°C	10min	24hrs	◆
11268	Red	◆	wax consistency	10 (89)	4 (39)	-54°C–150°C	5min	24hrs	
11271	Red	◆	400–600	17–40 (150–352)	23–40 (202–352)	-54°C–150°C	10min	24hrs	◆
11272	Red		4,000–15,000 Thixotropic	34 (299)	36 (317)	-54°C–230°C	30min	24hrs	◆
11277	Red	◆	6,000–8,000	32 (282)	32 (282)	-54°C–150°C	30min	24hrs	◆
11290	Green	◆	20–55	10 (88)	29 (255)	-54°C–150°C	20min	24hrs	◆
112701	Green	◆	500–900	26–50 (229–440)	≥15 (≥132)	-54°C–150°C	10min	24hrs	◆

*The content and data within this list are based on the respective Technical Data Sheets (TDS) of each product. Before deciding on the adhesive to use, it is recommended to conduct actual tests to ensure product performance.

Activator Technical Information

Item No.	Usage	Property	Main Component	On-Part Life	Dry Time	NSF
017090	For anaerobic adhesives, anaerobic structural adhesives	Formulated for compatibility with MXBON anaerobic adhesives and sealants. Low odor, non-flammable, and non-toxic formulation. Significantly reduces curing time.	Polyethylene Glycol Dimethacrylate	1 hour	Will not dry	
017649	For anaerobic adhesives, anaerobic structural adhesives	Anaerobic Adhesive Activator is suitable for all anaerobic adhesives and shortening the fixture time. We can apply it first or spray it later. Typical applications: inactive or plating metal surfaces.	Acetone Heptane	14 days	≤ 100 sec	◆